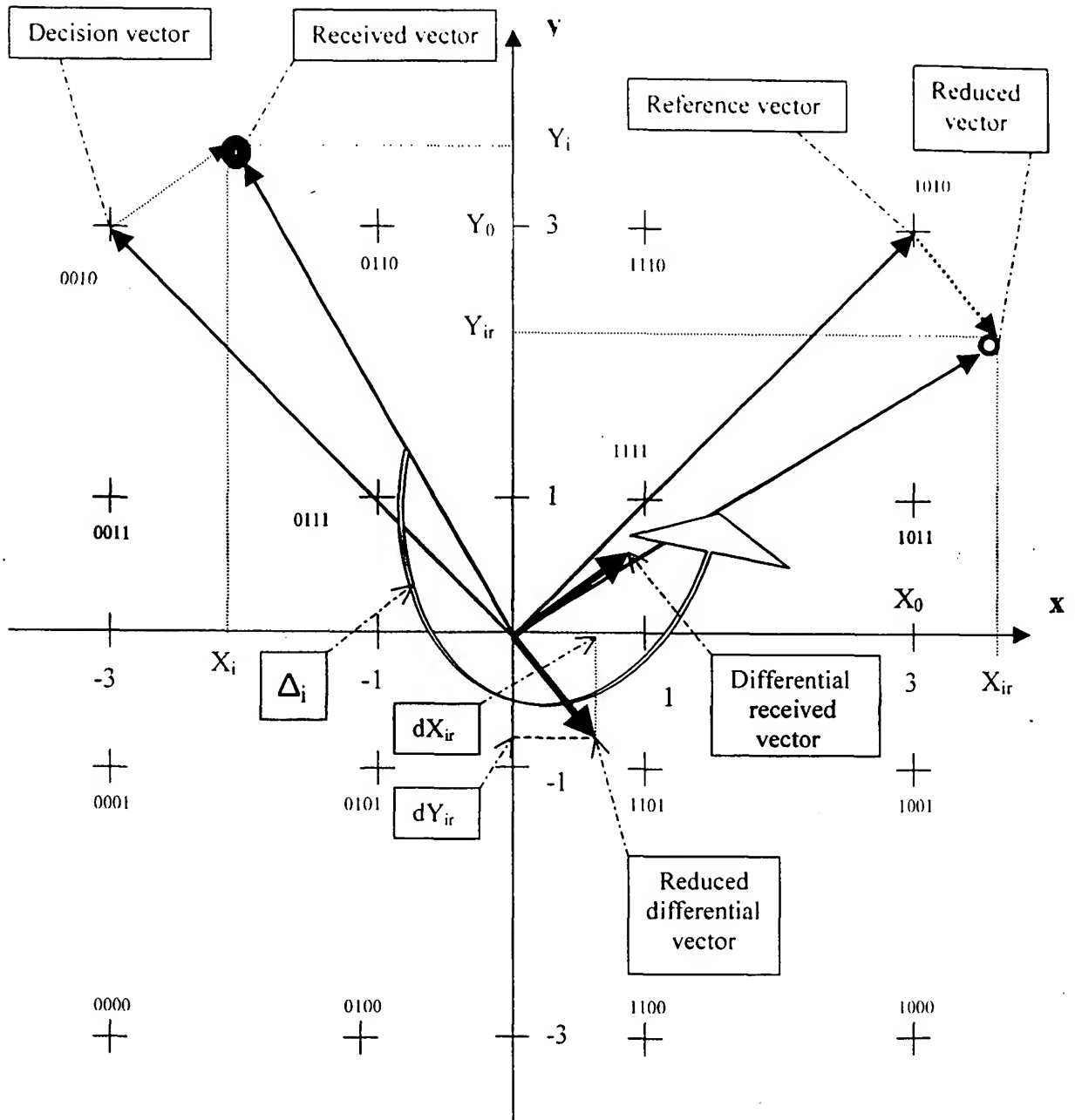


Fig.1 Example of signals in 2-dimension space



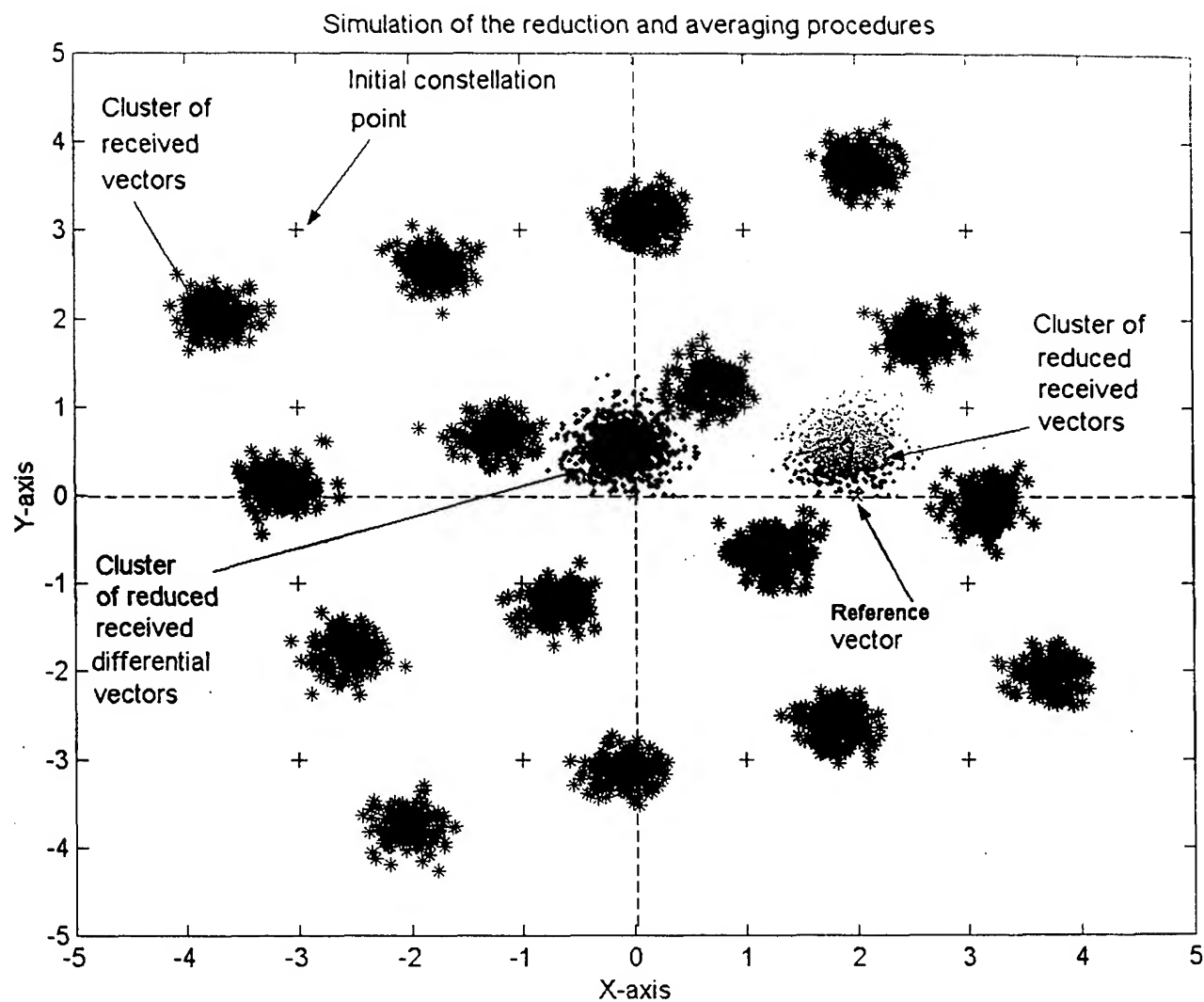


FIG. 2

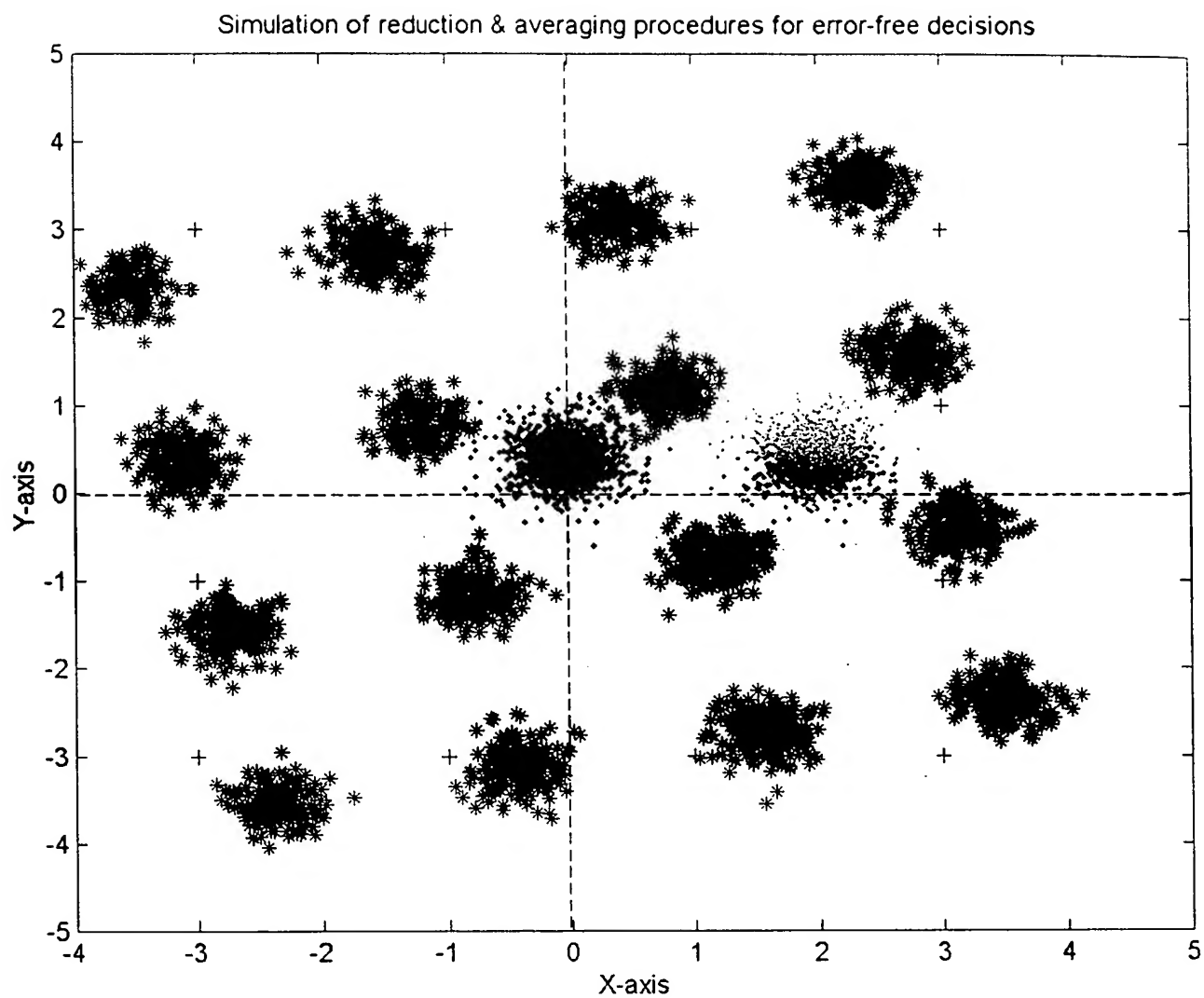


FIG. 3

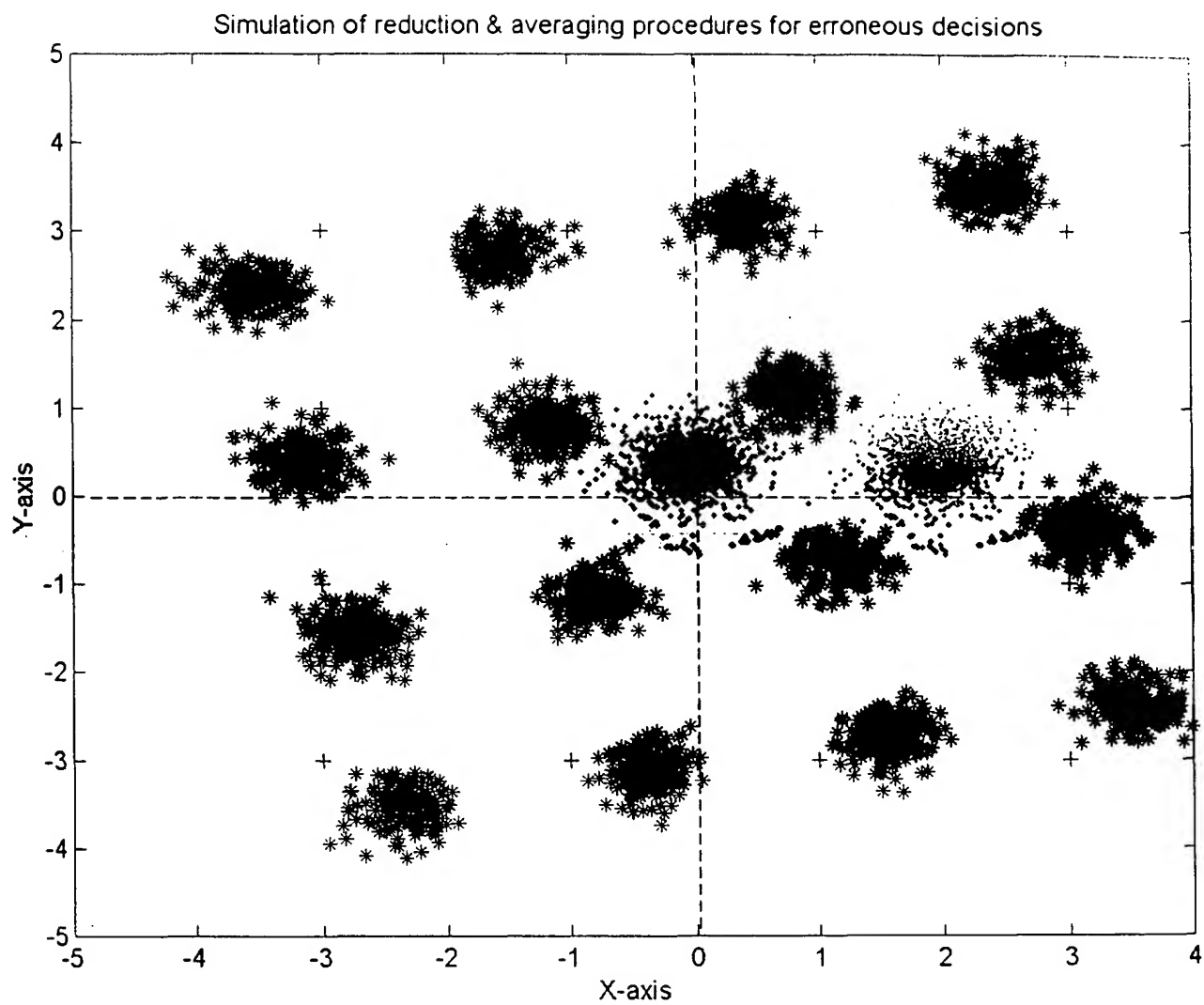


FIG. 4

Fig.5 Correction of the received signal, based on reduction and averaging differential quadrature components of the received signals

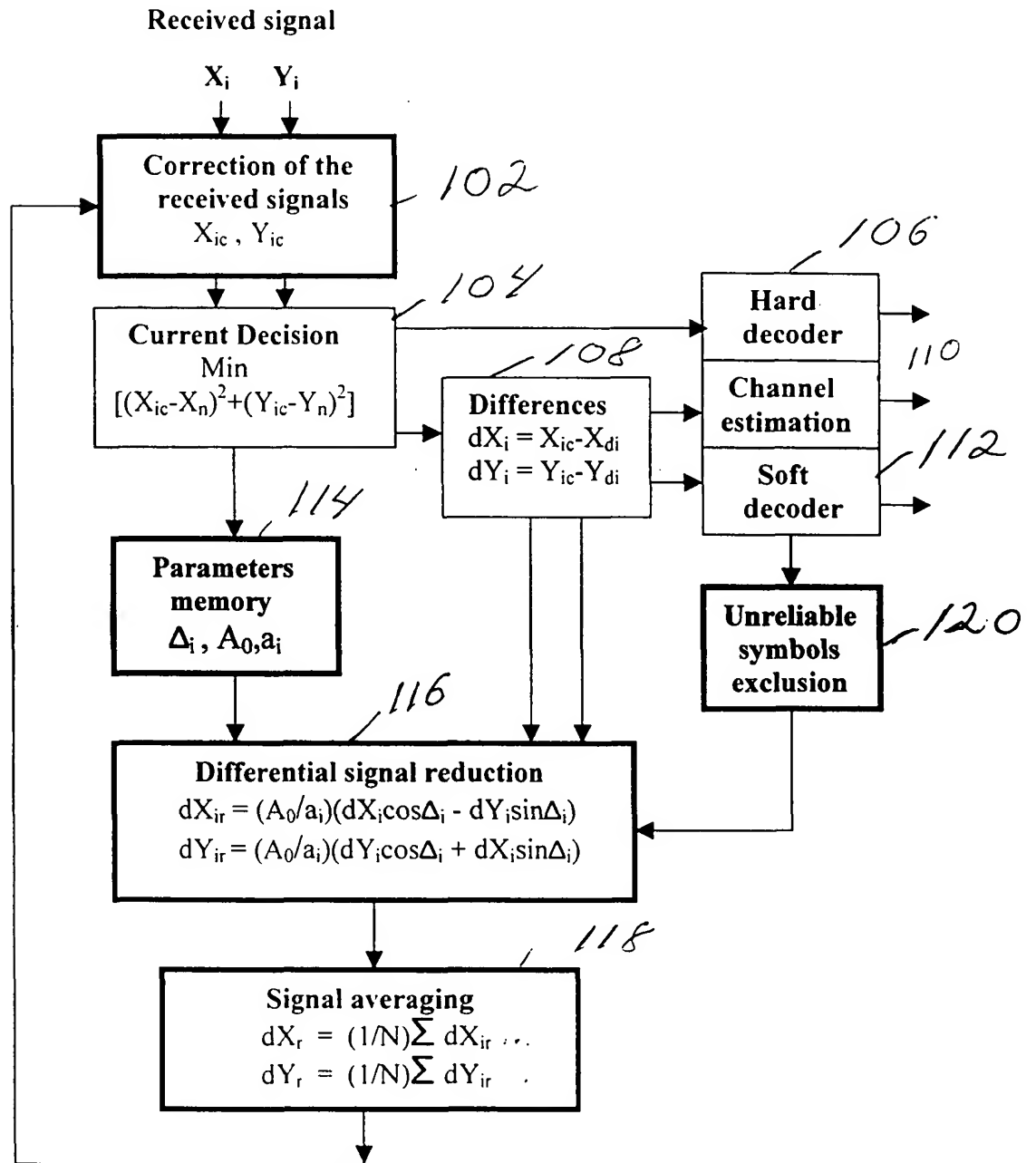


Fig.6 Correction of the constellation point coordinates, based on reduction and averaging differential quadrature components of the received signals

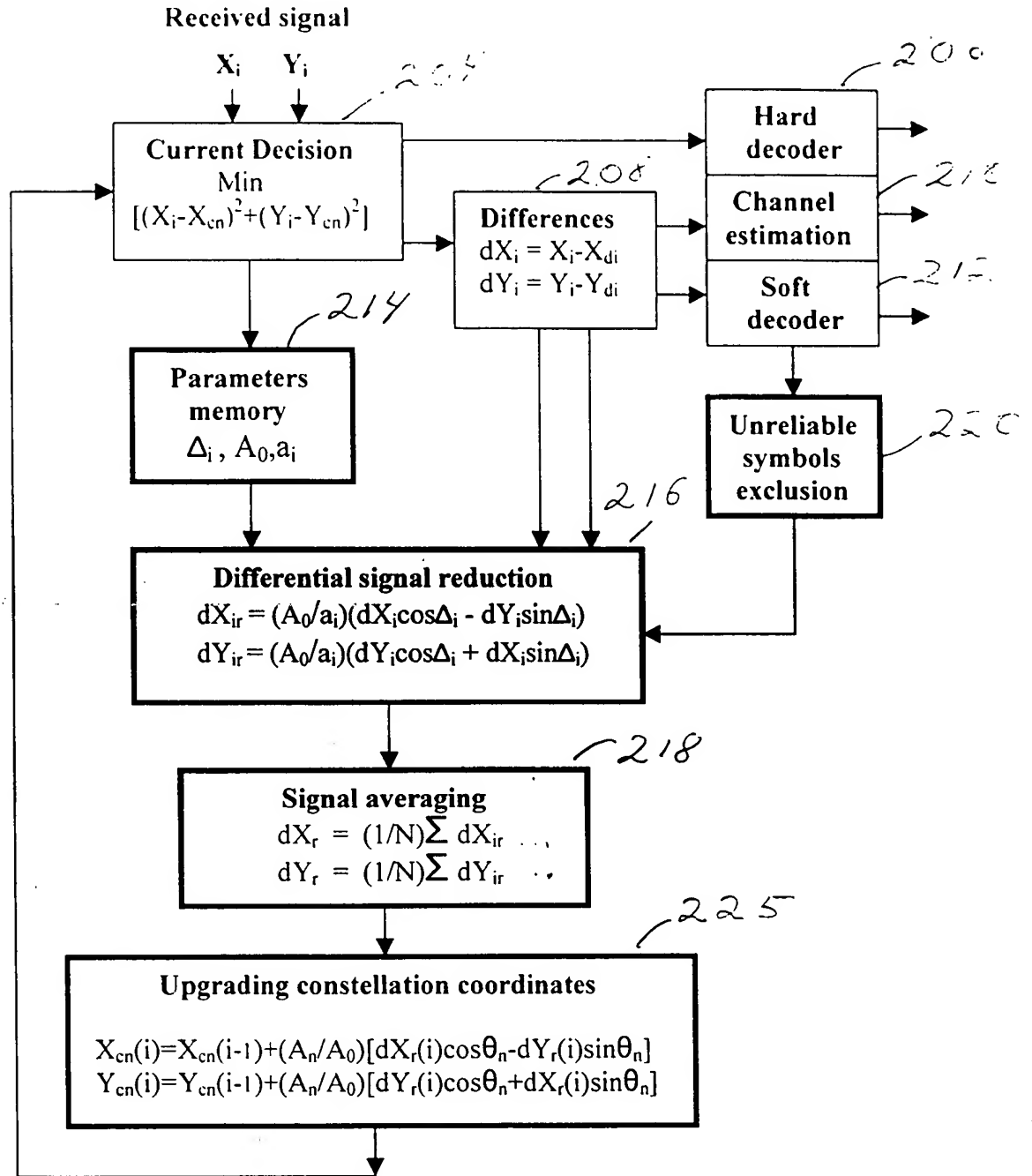


Fig.7 Correction of the received carriers in multicarrier system with correlated phase shifts, based on differential quadrature components of the received carriers

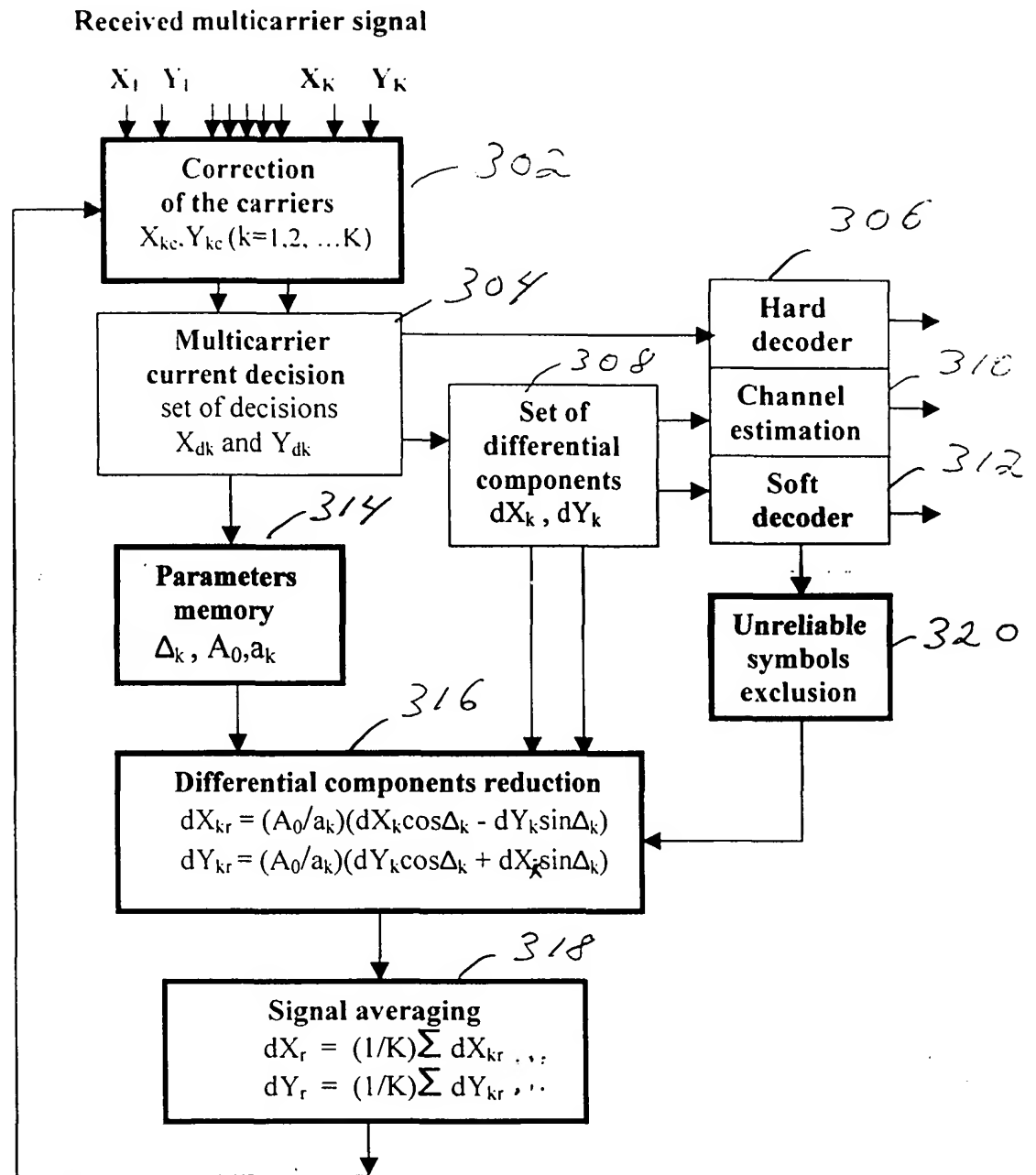


Fig.8 Correction of the constellation point coordinates in a multicarrier system with correlated phase shifts, based on differential quadrature components of the received carriers.

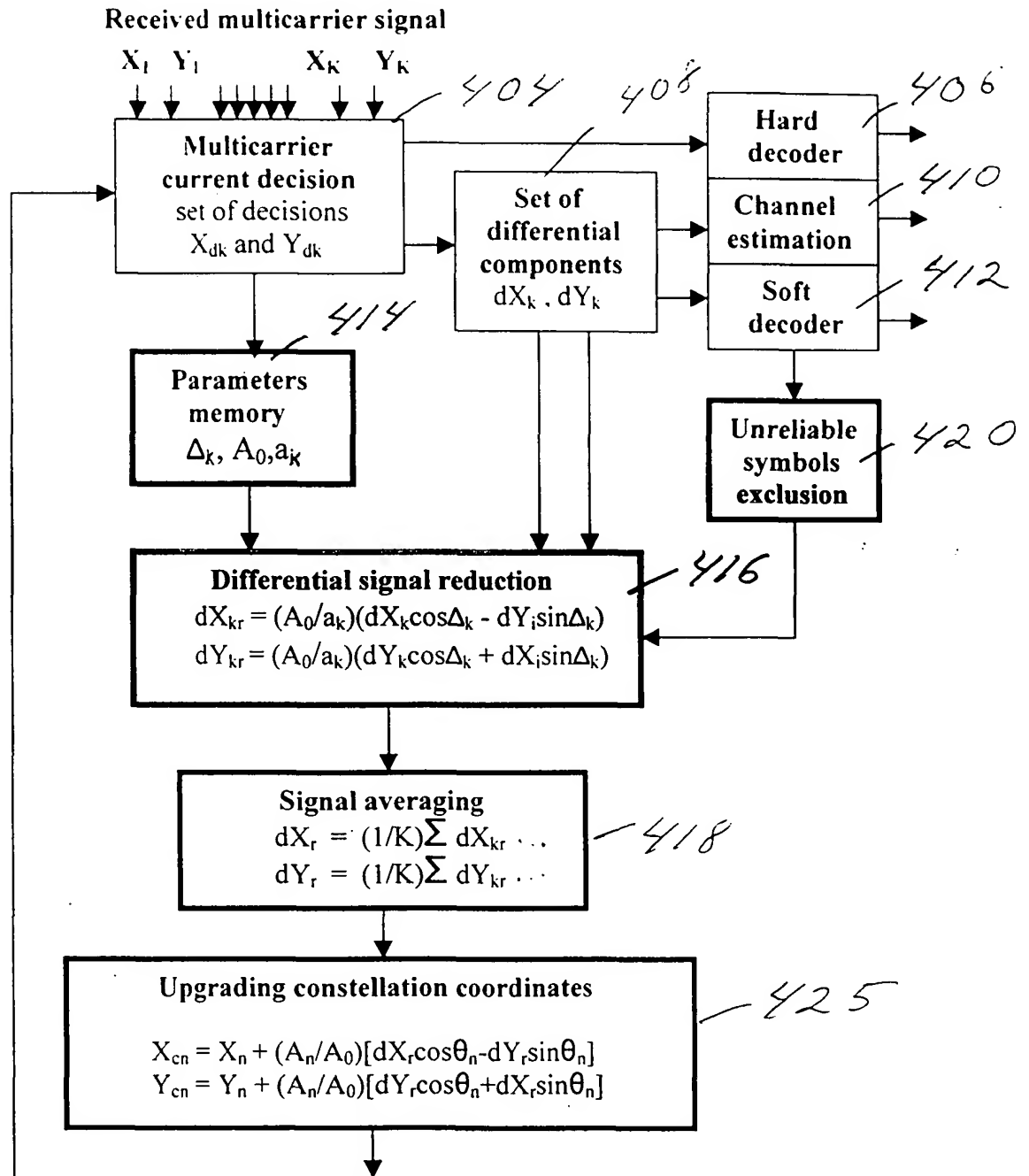


Fig. 9 Illustration to the simplified algorithms of phase correction.

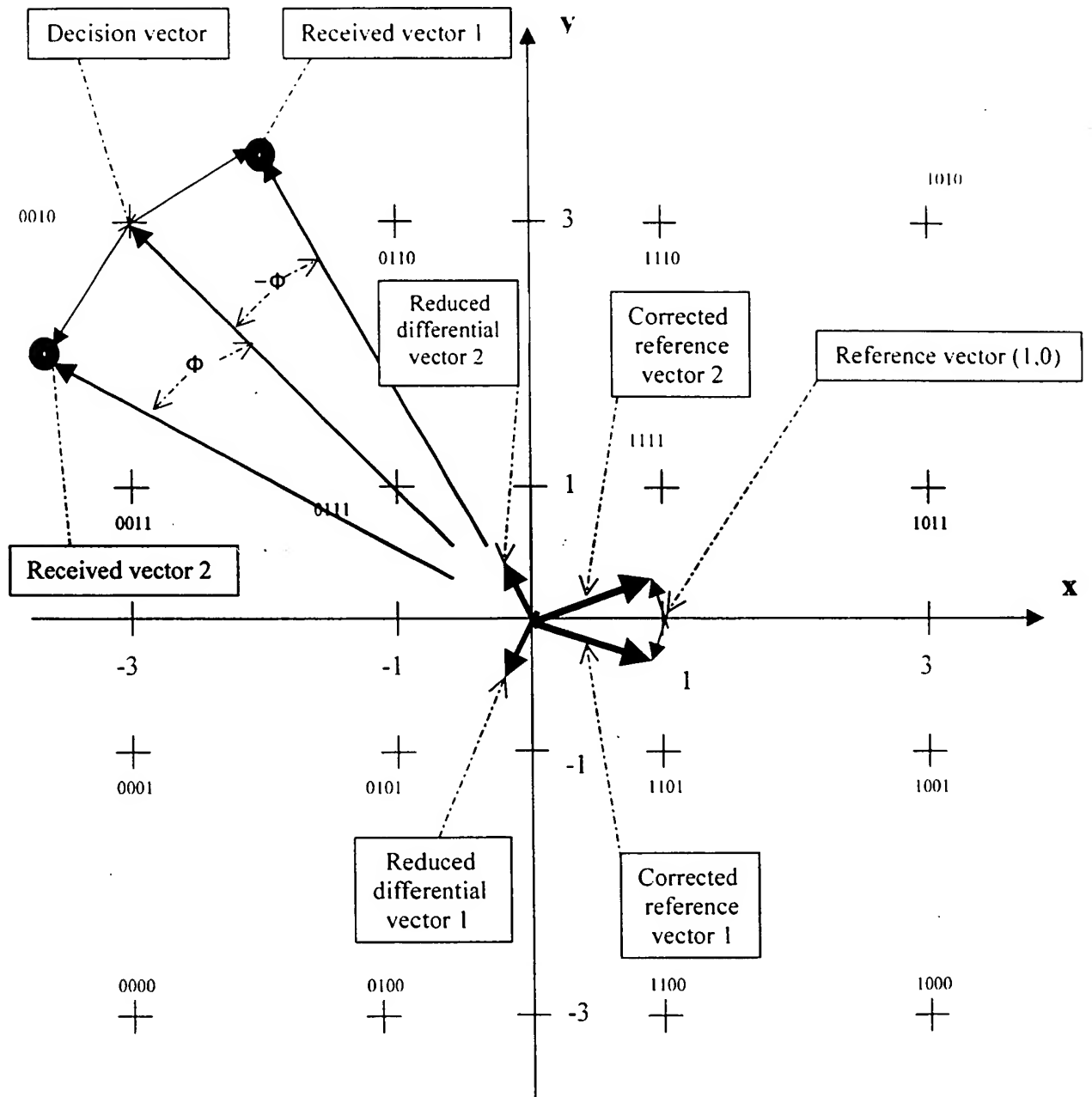


Fig. 10 Simplified carrier phase correction in multicarrier systems, based on the quadrature differential components.

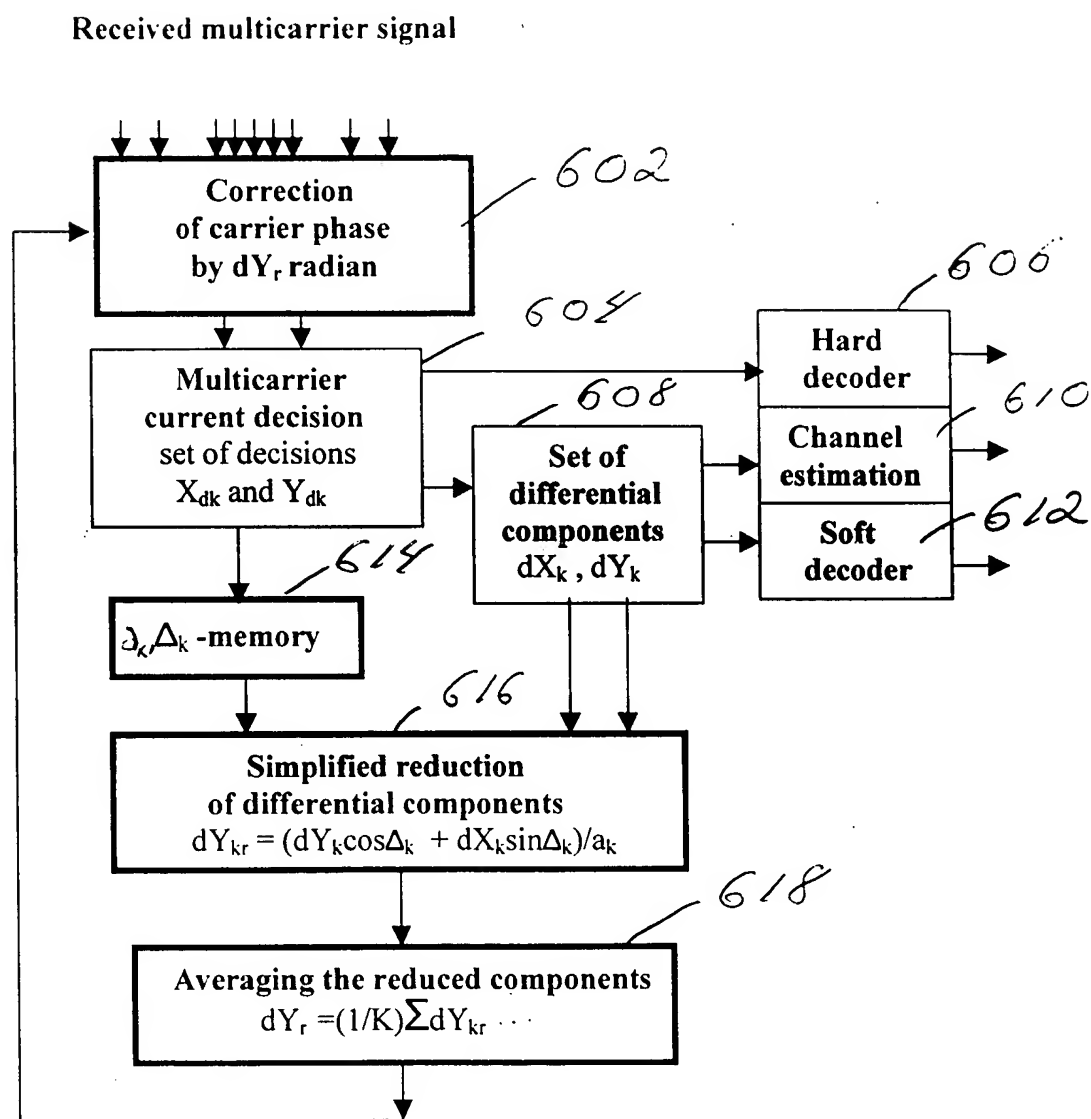


Fig. 11 Majority algorithm of carrier phase correction in multicarrier systems, based on the quadrature differential components.

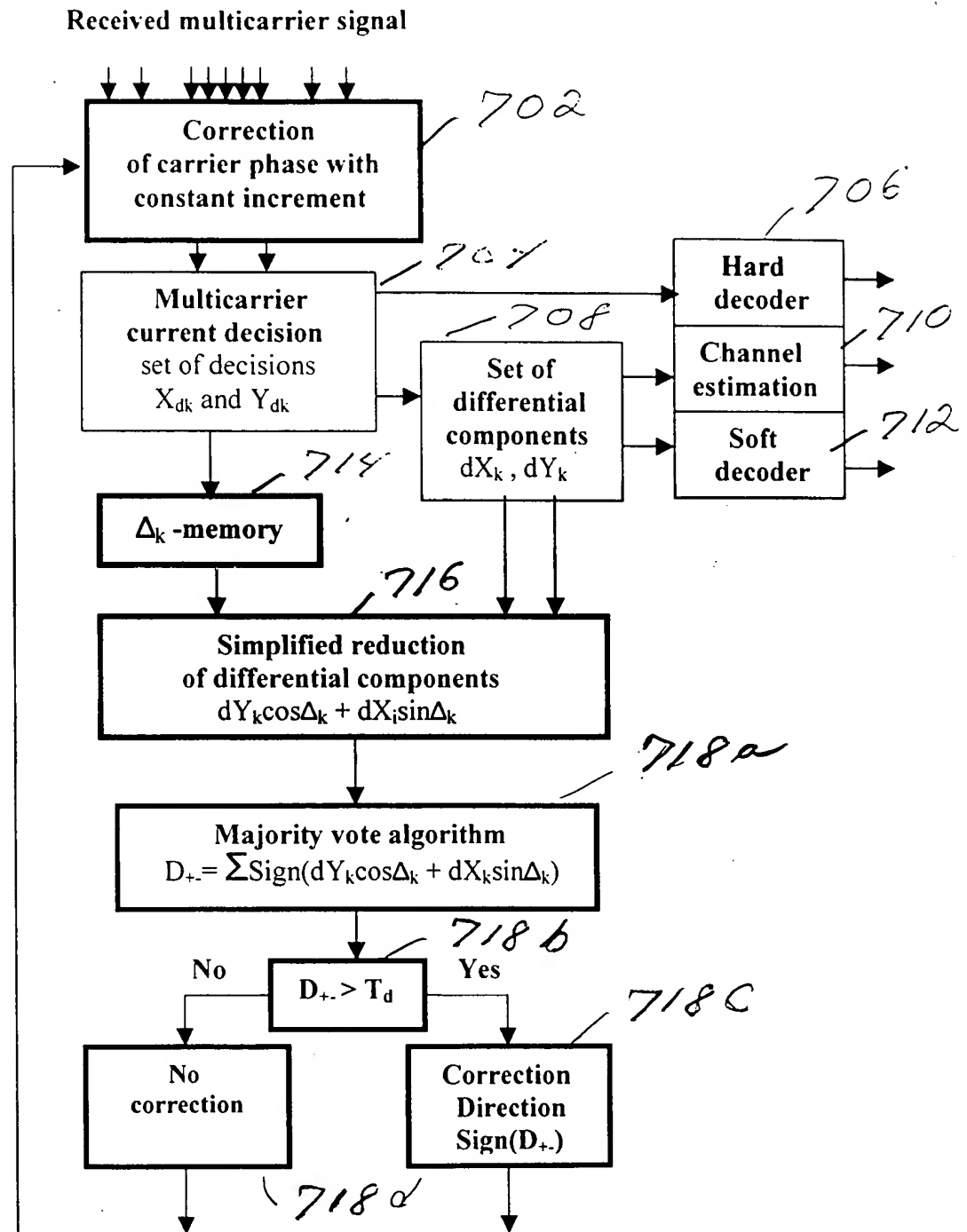


Fig. 12 Per-carrier adaptive equalizer, based on estimates of differential quadrature components.

